Cassia Networks' enables large scale deployment for Medtronic's real-time continuous glucose monitoring solution in hospitals

According to the International Diabetes Federation (IDF), approximately 463 million people ages 20-79 are living with diabetes. The IDF estimates that there will be 578 million adults with diabetes by 2030, and 700 million by 2045. Recent advancements in technology have allowed patients suffering from diabetes to better manage and control their condition. The proliferation of wireless glucose monitors makes it easy for patients and medical staff to monitor blood glucose levels with the touch of a button. Medtronic, the world's leading medical technology company has developed an innovative real-time continuous blood glucose monitoring solution for use in medical facilities.

Medtronic is currently deploying Cassia's S2000 Bluetooth Gateways and IoT Access Controller (AC) in hospitals to manage multiple Medtronic blood glucose monitors worn by patients. This is the first large-scale deployment of a real-time continuous glucose monitoring solution in hospitals powered by Bluetooth® technology. This innovative solution has improved the quality of patient care and the efficiency of treatment for patients diagnosed with diabetes. This is also the first commercial deployment of a secure and seamless Bluetooth roaming solution for use inside a hospital environment which allows patients to move freely inside the hospital without losing data or connectivity. Recently, Medtronic awarded Cassia Networks with the MTC Best Innovation Supplier award for Cassia's contribution to developing innovative Bluetooth IoT products and solutions in conjunction with Medtronic's real-time continuous glucose monitoring solution for medical facilities.

2021 MTC Best Innovation Supplier Award

The large-scale real-time continuous glucose monitoring solution for use in hospitals has dramatically changed the way diabetic patients monitor their blood glucose levels. Rather than using the traditional fingertip blood glucose method to monitor a patient's blood glucose levels, Medtronic's continuous glucose monitor consists of a small wearable medical device with a Bluetooth sensor that is attached to the skin to continuously measure blood glucose data in real-time. Cassia's S2000 Bluetooth gateway and IoT Access Controller are being deployed in the hospitals to collect and transmit real-time data from patients equipped with Medtronic's blood glucose monitors. This allows care staff to remotely and continuously monitor a patient's blood glucose levels throughout the day. Cassia's patented Bluetooth Roaming technology allows patients to move freely within the Bluetooth coverage of the hospital without losing real-time data. The collection and transmission of data are secured at all times and do not require any manual intervention during roaming handoff. This solution greatly improves the medical staff's ability to make any necessary adjustments to a patient's treatment and allows for more accurate and timely diagnoses. Furthermore, this innovative medical solution does not require a patient to manually collect blood samples through the traditional finger-stick method allowing for greater convenience and ease of use.
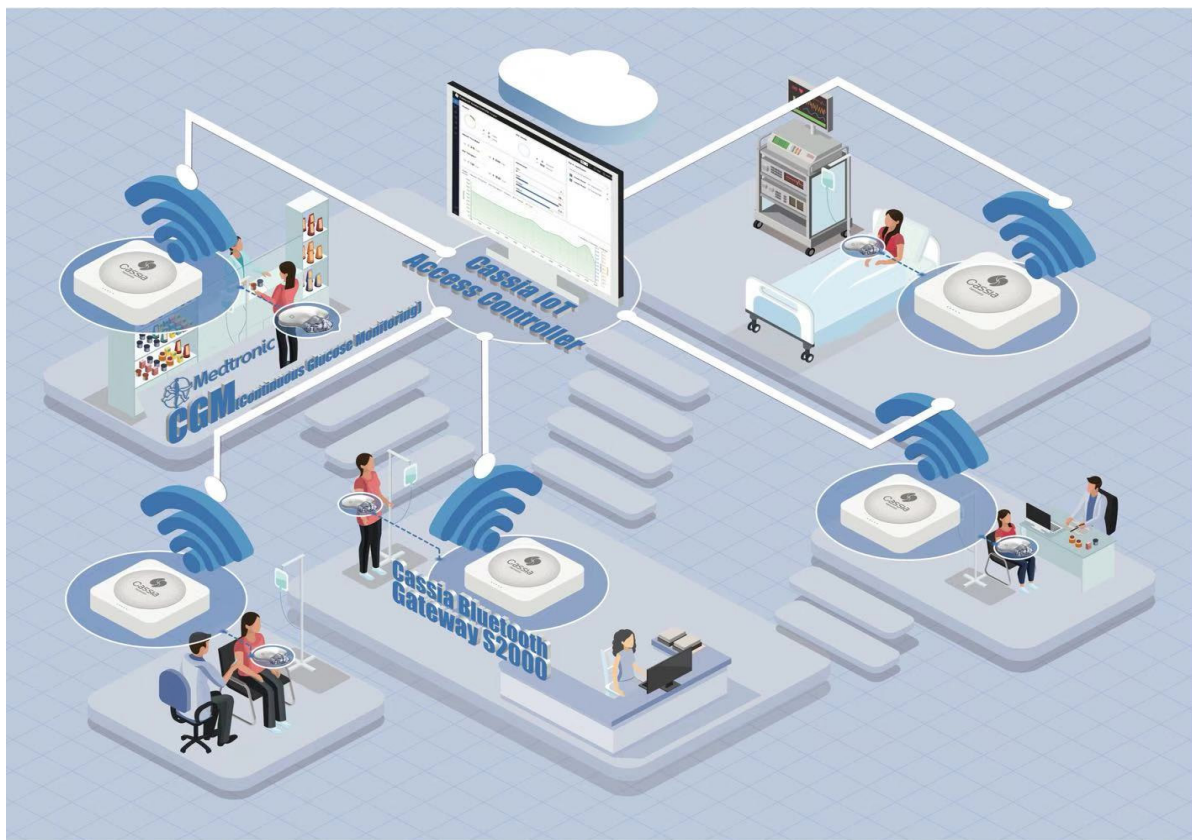
Medtronic's real-time continuous blood glucose monitoring system and seamless Bluetooth coverage and roaming in hospitals with Cassia's S2000 Bluetooth gateways and IoT AC

The real-time continuous glucose monitoring solution for medical facilities jointly created by Medtronic and Cassia Networks opens a new window of digital health IoT opportunities. Cassia is working closely with global leaders like Medtronic, to provide various digital health IoT applications for use in hospitals and clinics including continuous monitoring of vital signs such as blood glucose, ECG, respiratory rate, body temperature and more.

The future of digital healthcare continues to evolve, and in partnership with medical leaders like Medtronic, Cassia is focused on providing today's leading healthcare companies with innovative Bluetooth IoT products and solutions to provide the scalability, security and flexibility needed to successfully deploy their digital health IoT applications.